



Australian Government

UEECD0048 Undertake computations in an energy sector environment

Release: 1

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Modification History

Release 1. This is the first release of this unit of competency in the UEE Electrotechnology Training Package.

Application

This unit involves the skills and knowledge required to undertake computations in an energy sector environment.

It includes determining and applying computational mathematical methods to solve problems or to enhance given data in an energy sector environment.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Not applicable

Competency Field

Cross Discipline

Unit Sector

Electrotechnology

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Determine computation methods

PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

1.1 Computational activities are planned and prepared to ensure work health and safety (WHS)/occupational health and safety (OHS) workplace policies and procedures are followed with the work appropriately sequenced in accordance with job requirements

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| | 1.2 | Data for computations is obtained and verified in accordance with workplace procedures to comply with job requirements |
| | 1.3 | Location in which activities are undertaken or data gathered is determined from job outcome requirements |
| | 1.4 | Applicable computation methods are determined and calculations applied relevant to data gathered and job outcome requirements |
| | 1.5 | Information technology needed to carry out the computations is obtained in accordance with workplace procedures |
| 2 Undertake computations | 2.1 | Computations are undertaken and appropriate calculations applied relevant to data gathered and in accordance with job outcome requirements |
| | 2.2 | Unplanned situations are responded to in accordance with workplace procedures in a manner that minimises risk to personnel and equipment |
| | 2.3 | Ongoing checking and validating of the quality/accuracy of the calculation work results are undertaken in accordance with workplace procedures |
| 3 Complete computation activities | 3.1 | Computation results are verified and checked against estimates |
| | 3.2 | Documentation/reports/computations are completed to ensure all job requirements are met |
| | 3.3 | Work is completed and relevant person/s notified in accordance with workplace procedures |

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Non-essential conditions may be found in the UEE Electrotechnology Training Package

Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to UEENEEE150A Undertake computations in an energy sector environment.

Links

Companion Volume implementation guides are found in VETNet - -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b8a8f136-5421-4ce1-92e0-2b50341431b6>